

S**62-11 Illuminé (Project 00-23) (07/07)**

Illuminé from Dentsply/Preventive Care is a hydrogen peroxide gel for in-office tooth whitening. The gel is supplied in an innovative mixing device consisting of two plastic syringes joined at the center by a plastic stopcock. One syringe contains 30% liquid hydrogen peroxide, and the other contains a proprietary powder blend. Prior to treatment, a standard bleaching tray with reservoir areas is fabricated for the patient. At the time of use, the contents of the liquid-containing syringe are expressed into the powder-containing syringe. The material is mixed by forcing it from one syringe into the other several times. The mixture is then expressed into the bleaching tray where, over a one-minute period, it converts into a semi-solid gel. The tray is inserted into the patient's mouth, and excess gel is carefully removed from the gingiva. The patient can then return to the waiting room. At the end of a standard treatment period (30 to 60 minutes) the patient returns to the chair and the tray is removed. Dentsply claims that one treatment can effectively whiten teeth from four to six shades, and that post-treatment whitening continues for 24 to 72 hours that produces an additional one- to two-shade change. Another purported advantage of Illuminé is that it is less messy than most other whitening products because the gel's semi-solid consistency and adhesiveness limit its overflow from the tray. Illuminé can be used as a stand-alone product or as a "boost" treatment prior to using Nupro Gold, Dentsply's home bleaching product (see DIS 51-07). One kit of Illuminé contains two sets of syringes, enough for two treatments.

**Manufacturer:**

Dentsply/Professional
 1301 Smile Way
 P.O. Box 7807
 York, PA 17404
 (800) 989-8826
 (717) 767-8500
 (717) 767-8250 FAX
www.prevent.dentsply.com

Suggested Retail Price:

\$59.50 Illuminé (item number 614036)
 -two single-arch treatments
 -two syringe tips
 -instructions
 -Material Safety Data Sheet (MSDS)

Government Price:

\$38.50 Illuminé (item number and contents as listed above)

ADVANTAGES:

- + Is an in-office treatment that requires no light or heat application.
- + Features innovative coupled-syringe mixing system which worked well.
- + A post-treatment whitening effect was noted by evaluators.
- + Components mix well and gel is easy to dispense into tray.
- + Gel becomes thick after setting, which limits its overextension during tray setting.
- + Can be used as "boost" treatment before the use of traditional home bleaching products.
- + Mixing and product instructions are provided on graphics card.
- + Packaging takes up relatively little space.
- + Expiration date and lot number are clearly stamped on syringes.
- + Recommended storage conditions are listed on package.
- + Comes with Material Safety Data Sheet (MSDS).

DISADVANTAGES:

- For some patients, additional treatments or use in conjunction with an at-home bleaching product may be required to produce satisfactory results.
- Causes significant gingival irritation unless tissue is adequately isolated.
- Some users may find gel becomes too thick prior to tray placement.
- Gel can be difficult to remove from the teeth after treatment.
- Instructions call for incorporation of reservoirs in bleaching tray.
- Has a pH considerably lower than those of home bleaching products evaluated by DIS.

SUMMARY AND CONCLUSIONS:

Illumine is an innovative product that is significantly different from most in-office bleaching agents. While most users were satisfied with the results the product produced for their patients, additional treatments or use of Illumine in conjunction with an at-home bleaching product was necessary to produce the best result. While the users did not feel it produced the degree of lightening (nine shades) claimed by Dentsply, it did have a post-treatment whitening effect. **It is important that gingival tissues be isolated properly to prevent Illumine from contacting them, otherwise significant irritation can occur.** In general, users were satisfied but not overly impressed with the product's effectiveness. Illumine is rated **Marginal** for use by the federal dental services.